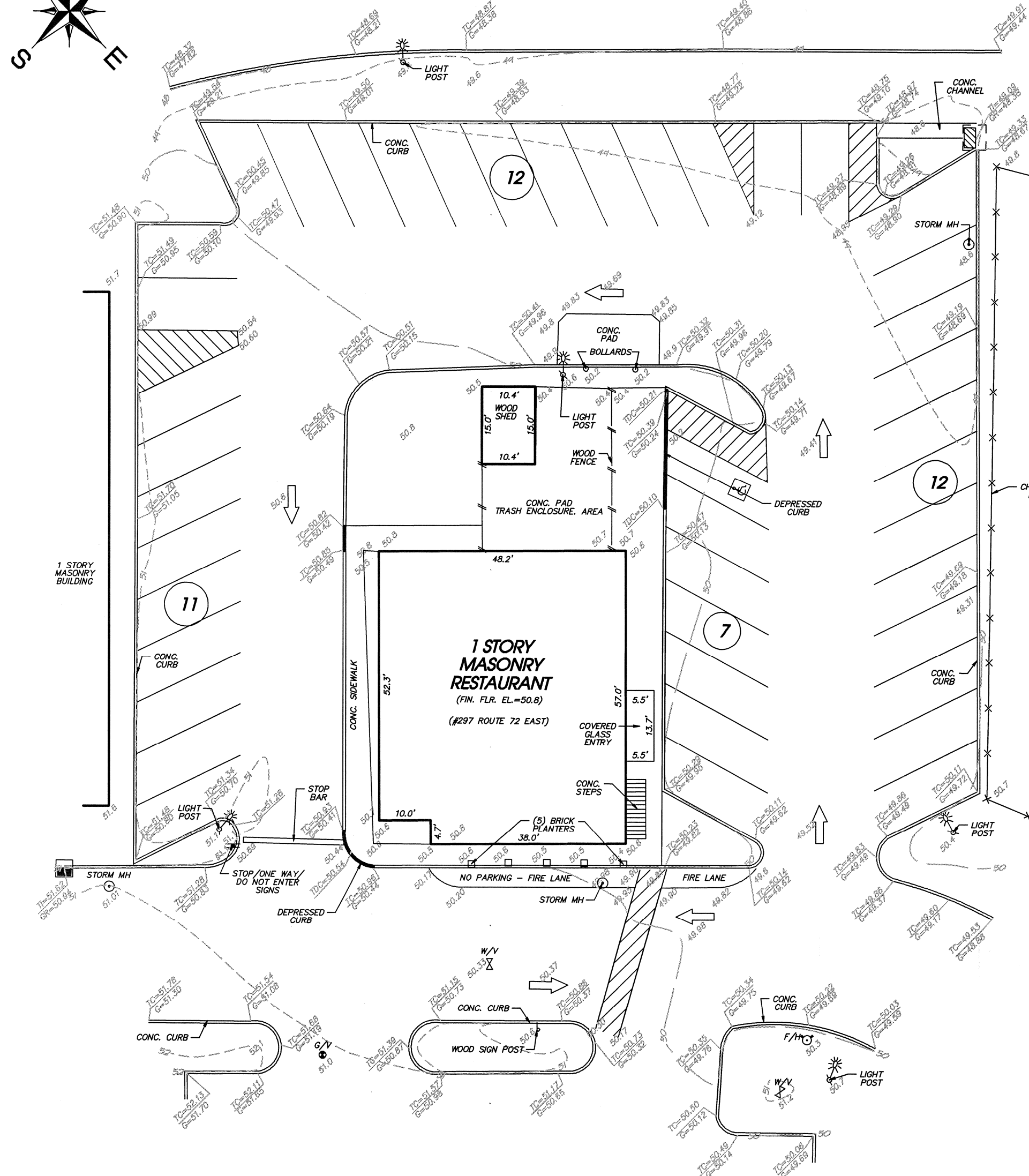
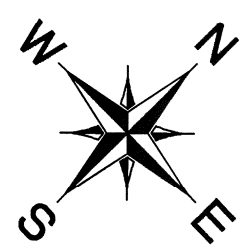




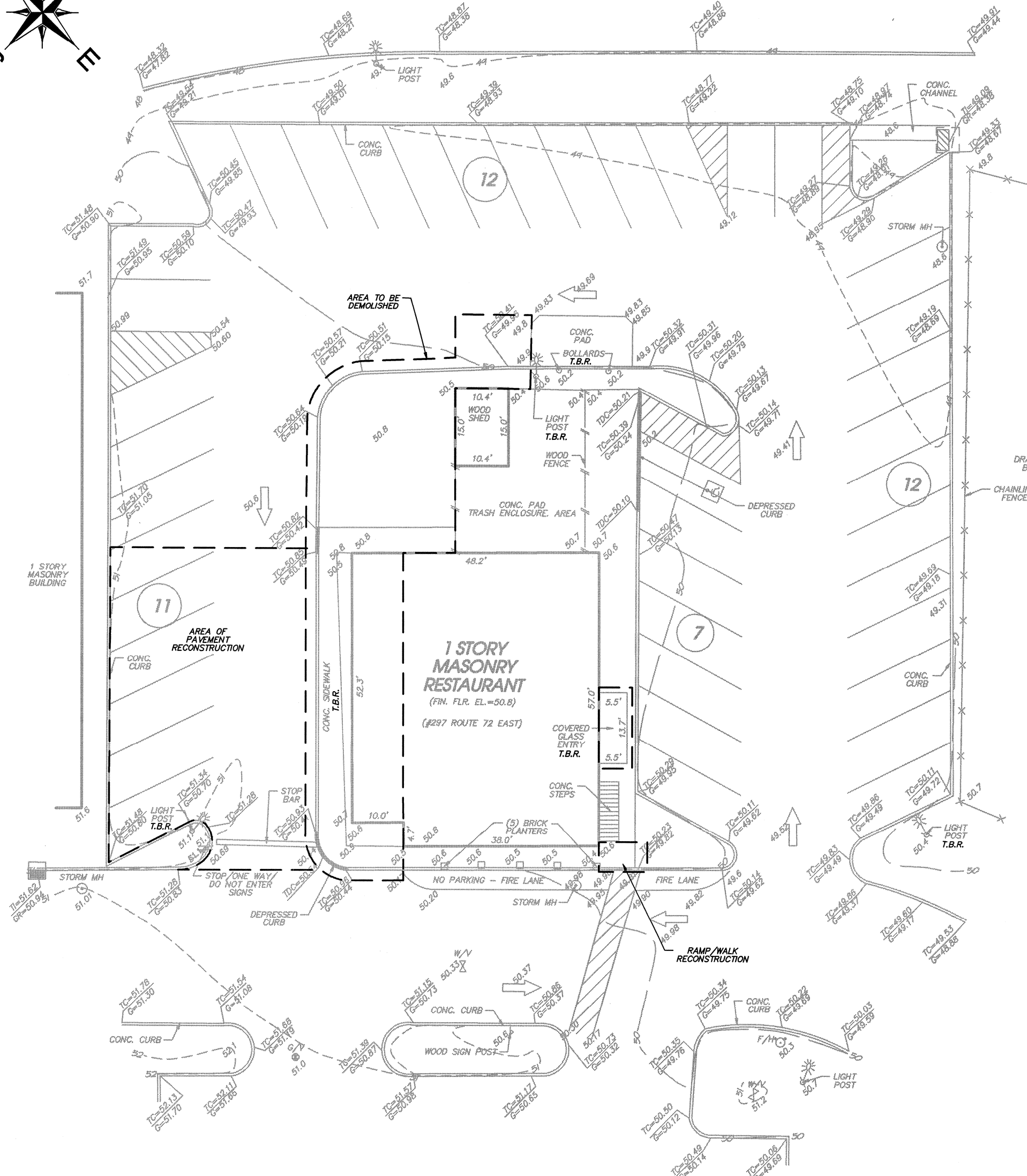
CAPTAIN RANDOLPH BOULEVARD



EXISTING CONDITIONS



CAPTAIN RANDOLPH BOULEVARD



DEMOLITION PLAN

PROPERTY OWNERS WITHIN 200 FT. (DATED 12/8/2020)

BLOCK	LOT	OWNER	UTILITIES
120	38.01	LTD REALTY INVESTMENT III LP PO BOX 547 MANAHAWKIN, NJ 08050	ATLANTIC CITY ELECTRIC ATTN: REAL ESTATE DEPARTMENT 2100 HARDING HIGHWAY, SUITE 399 MAY'S LANDING, NJ 08330
120	50.01	DAVIS & ASSOCIATES, LLC 8000 SAGMORE DR. #8201 MARLTON, NJ 08053	NJ NATURAL GAS CO. C/O LEGAL DEPARTMENT 1415 WYCKOFF ROAD, P.O. BOX 1484 WALL, NJ 07719
120.21	39.01	HD DEVELOPMENT OF MARYLAND, LLC PO BOX 10842 ATLANTA, GA 30348	VERIZON, C/O DUFF & PHELPS P.O. BOX 2748 ADDISON, TEXAS 75001
120.21	39.02	B1 ASSOC LLC C/O PASBJERG DEV CO PO BOX 384 SHORT HILLS, NJ 07078	STAFFORD TOWNSHIP WATER & SEWER UTILITY DEPARTMENT 260 EAST BAY AVENUE MARLTON, NJ 08053
120.30	48.02	STAFFORD MOBILE, LLC 8000 SAGMORE DR. #8201 MARLTON, NJ 08053	OCEAN COUNTY SEWERAGE AUTHORITY 501 HICKORY LANE, P.O. BOX P BAYVILLE, NJ 08721
120.30	51.01	DAVIS & ASSOCIATES, LLC 8000 SAGMORE DR. #8201 MARLTON, NJ 08053	COMCAST CABLEVISION OF NJ LLC ONE COMCAST CENTER, TAX DEPARTMENT PHILADELPHIA, PA 19103

ZONE : HC HIGHWAY COMMERCIAL ZONE

MINIMUMS :	REQUIRED :	EXISTING :	PROVIDED :
LOT AREA	43,560 S.F.	29.997 ACRES	NC
LOT WIDTH	200 FT.	>200 FT.	NC
LOT DEPTH	200 FT.	>200 FT.	NC
PRINCIPAL BUILDING :			
FRONT SETBACK	60 FT. (TO RT. 72 PAVED SURFACE)	>60 FT.	NC
SIDE SETBACK	50 FT.	>50 FT.	NC
REAR SETBACK	40 FT.	>40 FT.	NC
MAXIMUMS :			
LOT COVERAGE	65%	<35%	NC
MIN. GREEN SPACE	35%	NC	NC
MIN. GREEN SPACE (REAR YARD)	40%	NC	NC

NC = NO CHANGE

SUBMISSION/DESIGN WAIVER REQUESTED FROM :

1. NOT DEPICTING ALL EXISTING SITE IMPROVEMENTS ON PLAN, ONLY THOSE THAT ARE GERMAIN TO THE PROPOSED SITE PLAN ARE SHOWN DUE TO SCOPE OF THE PROJECT
2. NOT PROVIDING A SOLAR ACCESS REPORT, ENERGY CONSERVATION REPORT, TRAFFIC IMPACT STUDY, ENVIRONMENTAL ASSESSMENT, OR DRAINAGE REPORT.
3. ANY AND ALL OTHER WAIVERS THAT MAY BE REQUIRED.

NOTES :

1. EXISTING PROPERTY INFORMATION SHOWN HEREON WAS TAKEN FROM A CERTAIN MAP ENTITLED "ALTA/ACSM LAND TITLE AND TOPOGRAPHIC SURVEY, BLOCK 120.31 LOT 38, STAFFORD TOWNSHIP SITE, STAFFORD TOWNSHIP, OCEAN COUNTY, NEW JERSEY," DATED 1/29/2004, PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, TOPOGRAPHY OBTAINED BY GCG ON 11/23/2020.
2. MINOR SITE PLAN BASED ON PLAN ENTITLED "AS-BUILT PLAN, MAKOTO JAPANESE STEAK HOUSE LOT 38, BLOCK 120.31, TOWNSHIP OF STAFFORD, OCEAN COUNTY, NEW JERSEY," DATED 8/10/2010, PREPARED BY MICHAEL S. VANUCCI CONSULTING, LLC.
3. GCG FIELD-LOCATED EXISTING RESTAURANT AND SURROUNDING IMPROVEMENTS ON 11/23/2020. EXISTING SPOT ELEVATIONS ARE BASED ON NAVD 1988.
4. PROPERTY IS LOCATED IN FLOOD ZONE UNSHADED X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN), BASE FLOOD ELEVATION=N/A (NAVD 1988) AS SHOWN ON FLOOD INSURANCE RATE MAP STAFFORD TOWNSHIP, COMMUNITY NO. 340290485, PANEL 04655, MAP NO. 340290485, EFFECTIVE DATE 9/29/2006. THE PROPERTY'S PRELIMINARY BASE FLOOD ELEVATION IS ELEVATION N/A (NAVD 1988) AND IS LOCATED IN PRELIMINARY FLOOD ZONE UNSHADED X, AS SHOWN ON PRELIMINARY MAP NO. 340290485, PUBLISHED 3/28/2014. THIS IS FOR INFORMATIONAL PURPOSES ONLY AND IS SUBJECT TO VERIFICATION BY FEMA.
5. THE SITE WAS INITIALLY DESIGNED WITH A WHITE CASTLE FAST FOOD RESTAURANT WITH A DRIVE THRU ON THE WESTERLY SIDE OF THE BUILDING. SUBSEQUENTLY, THE MIKADO RESTAURANT ELIMINATED THE DRIVE THRU LANE, TO CONSTRUCT A 10' X 52' BUILDING ADDITION TO PROVIDE A LARGER INDOOR DINING AREA. IT IS NOW PROPOSED TO REMODEL THE EXISTING RESTAURANT BY REMOVING THE PRIOR 10' X 52' ADDITION AND RECONSTRUCTING AND SEEDING. AN IRRIGATION SYSTEM SHALL BE RETURN THE PAD SITE BACK TO ITS BASIC ORIGINAL LAYOUT. CONSEQUENTLY, THERE IS NO INCREASE IN IMPERVIOUS COVERAGE WHEN COMPARED TO THE ORIGINALLY APPROVED SITE PLAN FOR THE WHITE CASTLE RESTAURANT.
6. PARKING REQUIRED FOR EXISTING RESTAURANT
0.5 SPACE/SEAT X 60 INDOOR SEATS = 30 SPACES REQUIRED
= 42 SPACES EXIST
7. THE EXISTING BUILDING IS TO BE SERVICED WITH PUBLIC WATER AND SEWER USING NEW SERVICES AND LATERALS.
8. HANDICAP PARKING SPACES, RELATED SIDEWALKS AND CURBING WILL CONFORM WITH THE "BARRIER FREE DESIGN LAW."
9. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO M.U.T.C.D. LATEST REQUIREMENTS. PAVEMENT PAINTING:
A) PARKING SPACE STRIPES SHALL BE 4" WIDE, USING WHITE REFLECTIVE PAINT (FOR PARKING SPACES)
B) PARKING SPACES FOR THE HANDICAPPED WILL BE DESIGNATED BY STENCILS (BLUE REFLECTIVE PAINT) IN CONFORMANCE WITH THE "BARRIER FREE DESIGN LAW"
C) TRAFFIC DIRECTION ARROWS WILL BE WHITE REFLECTIVE PAINT.
D) HATCH LINES SHALL BE ON A 45 DEGREE ANGLE AND SHALL CONSIST OF STRIPES 4" WIDE, USING YELLOW REFLECTIVE PAINT, 2 FEET ON CENTER.
10. ALL TOPSOIL, FERTILIZER, SEED, SOD, MULCH AND PLACEMENT THEREOF SHALL CONFORM TO THE MOST CURRENT REQUIREMENTS OF THE OCEAN COUNTY SOIL CONSERVATION DISTRICT. ALL AREAS NOT DESIGNATED FOR PARKING, SIDEWALKS OR BUILDINGS SHALL BE PLANTED, LANDSCAPED, OR TOPSOILED, FERTILIZED AND SEEDED. AN IRRIGATION SYSTEM SHALL BE INSTALLED FOR ALL LAWN AND PLANTING AREAS.
11. GARBAGE COLLECTION IS PROVIDED BY A PRIVATE CARTER.
12. THE CONTRACTOR OR LAYOUT PARTY SHALL VERIFY ALL ELEVATIONS AND DIMENSIONS ON THE JOB SITE AND SHALL VERIFY THAT THE PLAN BEING UTILIZED IS FINAL AND APPROVED FOR CONSTRUCTION.
13. THERE ARE NO FRESHWATER WETLANDS, SWAMPS, BOGS AND PONDS WITHIN TWO HUNDRED (200) FEET OF THE SITE.
14. THERE ARE NO EXISTING OR PROPOSED COVENANTS OR DEED RESTRICTIONS.
15. ALL LIGHTING FIXTURES SHALL CONFORM WITH ALL APPLICABLE REQUIREMENTS OF THE BOCA BASIC ENERGY CONSERVATION CODE AND LIGHTING POWER BUDGET DETERMINATION PROCEDURE, EMS-1, OF THE ILLUMINATING ENGINEER'S SOCIETY.

LEGEND

- - - 3 - - -	=	EXIST. CONTOUR
M.B.S.L.	=	MINIMUM BUILDING SETBACK LINE
3.5	=	EXIST. ELEVATION
- - - E - - -	=	EXIST. OVERHEAD UTILITY WIRES
4.0	=	PROPOSED ELEVATION
4	=	PROPOSED CONTOUR

OWNER :

72 ASSOCIATES, LLC
C/O PASBJERG DEV. CO.
PO BOX 384
SHORT HILLS, NJ 07078
973-467-0950

APPLICANT :

ZUBAIR CHAUDHRY
9 GINNIE LANE
WEST WINDSOR, NJ 08550
848-248-9636

APPROVED BY

TOWNSHIP OF STAFFORD PLANNING BOARD

DATE CHAIRMAN

ATTEST SECRETARY

DATE ENGINEER

SCALE IN FEET

0 20 40

No.	DATE	REVISION	BY	CHK.

BRUCE A. JACOBS
N.J. Professional Engineer No. 37489

1/25/2021
DATE

MINOR SITE PLAN

P/O TAX LOT 38.01 BLOCK 120.31

TAX MAP SHEET NO. 80

STAFFORD TOWNSHIP
OCEAN COUNTY, NEW JERSEY

EXISTING CONDITIONS/DEMOLITION PLAN

SCALE: 1" = 20'

DATE: 1/25/2021

DRAWN BY: MJD

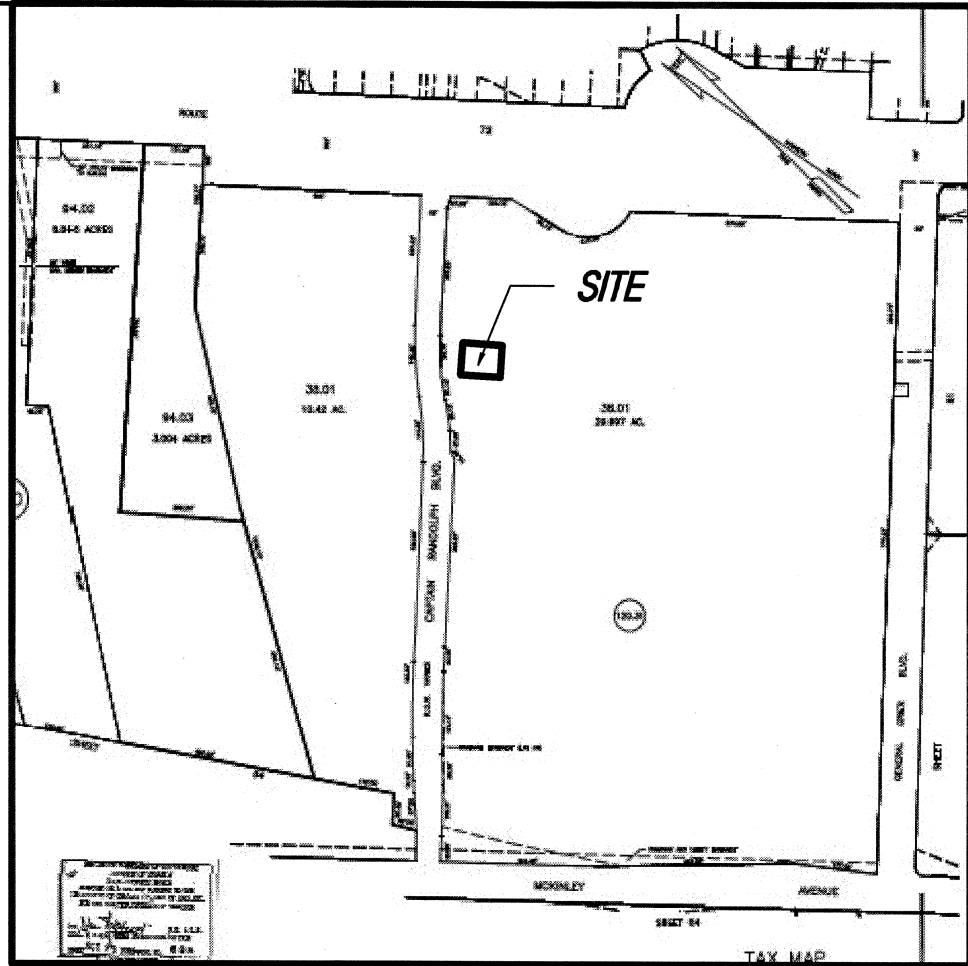
CHECKED BY:

SHEET NO. 1 OF 5

PROJECT NUMBER

11298

GRAVATT
CONSULTING GROUP
Engineers, Planners, Environmental Scientists
414 Locust Road, Forked River, NJ 08031
Tel. 609 . 683 . 6127 www.gravattconsulting.com
Certificate of Authorization No. 240A27925900

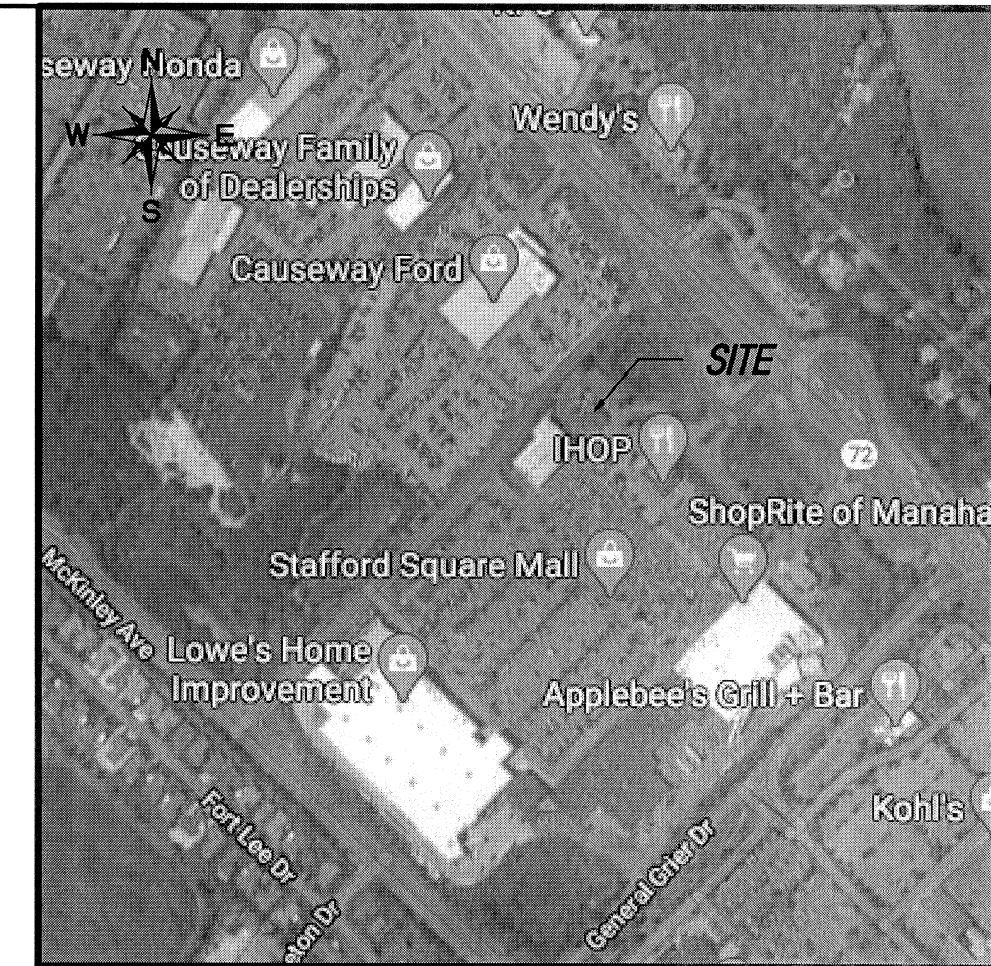


TAX MAP

SCALE: 1" = 400'

SCALE IN FEET

0 400 800

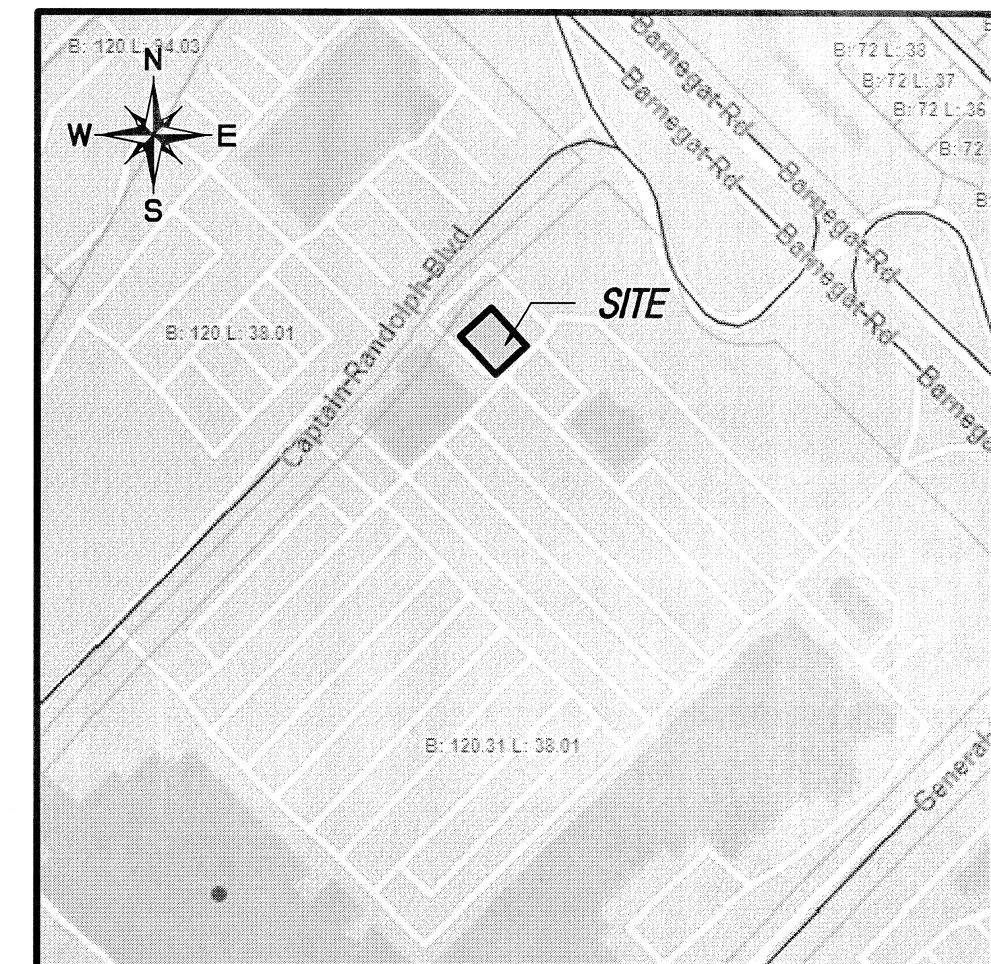


KEY MAP

SCALE: 1" = 500'

SCALE IN FEET

0 500 1000

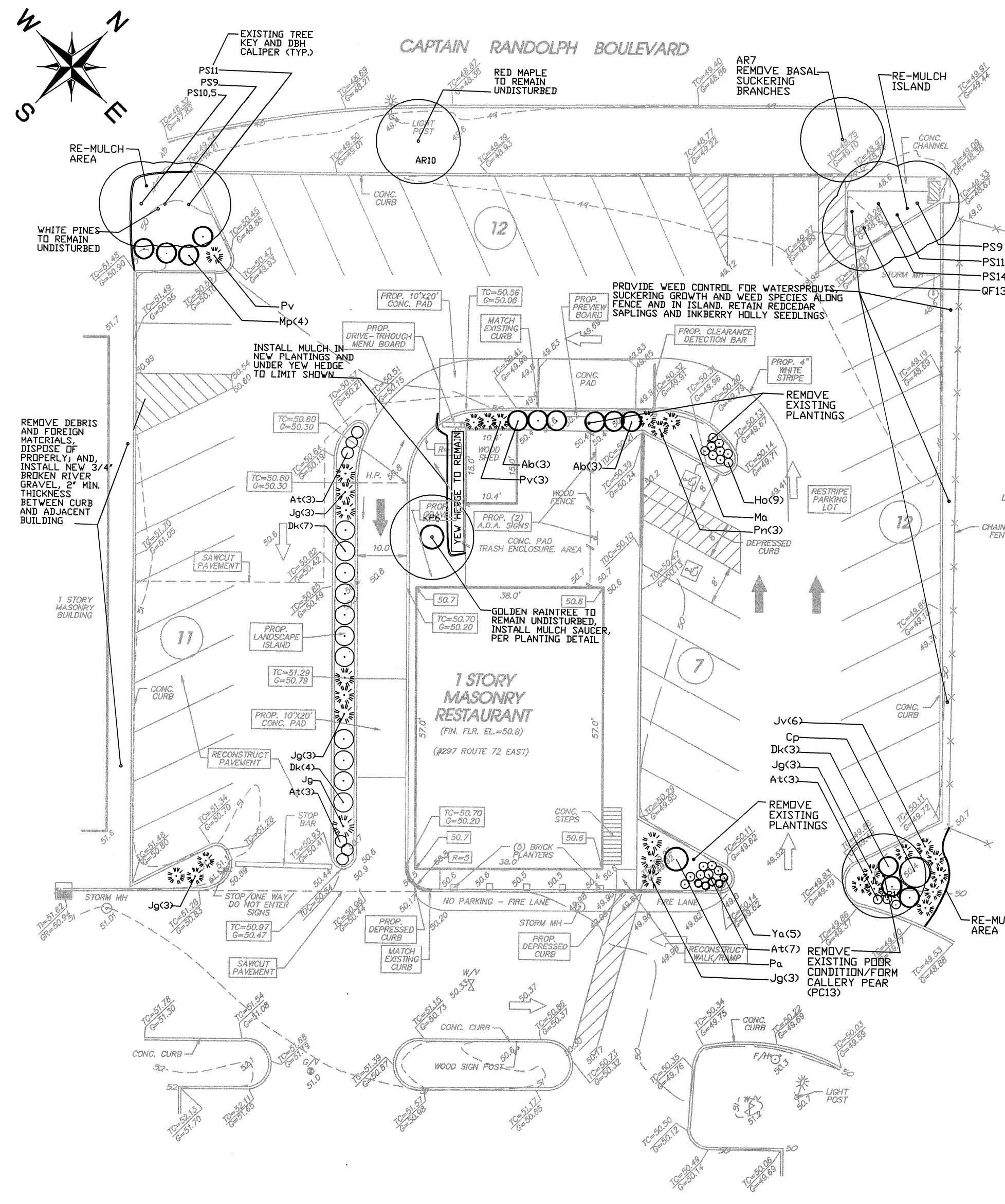


USGS MAP

SCALE: 1" = 300'

SCALE IN FEET

0 300 600



LANDSCAPE PLAN

PLANTING SCHEDULE

KEY	BOTANICAL NAME	COMMON NAME	QUAN.	SIZE	NOTES	PLANT TYPE
Ab	Abelia x grandiflora 'Rose Creek'	ROSE CREEK GLOSSY ABELIA	6	24"-30"	CONTAINER	SEFS
At	Asclepias tuberosa	ORANGE BUTTERFLY MILKWEED	16	2 GALLON	CONTAINER	SEFP
Cp	Chamaecyparis pisifera 'Golden Map'	GOLDEN MOP FALSECYPRESS	1	30"-36"	CONTAINER	ECS
Dk	Dierilla x splendens 'Kodiak Orange'	KODIAK ORANGE BUSH HONEYSUCKLE	14	24"-30"	CONTAINER	DFS
Hk	Hemerocallis x 'Orange Smoothie'	ORANGE SMOOTHIE REBLOOMING DAYLILY	9	2 GALLON	CONTAINER	DFF
Jv	Juniperus chinensis 'Seybrook Gold'	SEYBROOK GOLD CHINESE JUNIPER	16	24"-30" SPREAD	CONTAINER	ECS
Jv	Juniperus virginiana 'Grey Owl'	GREY OWL SPREADING REDCEDAR	6	24"-30" SPREAD	CONTAINER OR B&B	ECS
Mg	Magnolia grandiflora 'Little Gem'	LITTLE GEM COMPACT SOUTHERN MAGNOLIA	1	10 GALLON	CONTAINER	EBOT
Mo	Morella (Myrica) pensylvanica	NORTHERN BAYBERRY	4	24"-30"	B&B OR CONTAINER	SES
Pg	Prunus serrulata 'Amanogawa'	AMANOGAWA UPRIGHT CHERRY	1	3.0"-3.5" CAL.	B&B	DOT
Pv	Panicum virgatum 'Northwind'	NORTHWIND UPRIGHT SWITCHGRASS	3	2 GALLON	CONTAINER	POT
Pn	Panicum virgatum 'Shenandoah Red'	SHENANDOAH RED SWITCHGRASS	4	2 GALLON	CONTAINER	POG
Ya	Achillea millefolium 'Terracotta'	TERRACOTTA ORANGE YARROW	5	2 GALLON	CONTAINER	SEFP

CONTRACTOR: SUBSTITUTIONS NOT PERMITTED; CONTACT LANDSCAPE ARCHITECT WITH SOURCING & AVAILABILITY QUESTIONS. THE CONTRACTOR ASSUMES AND BEARS ALL RISK IN VARYING FROM THE PLAN, PLANTING SCHEDULE AND/OR SPECIFICATIONS.

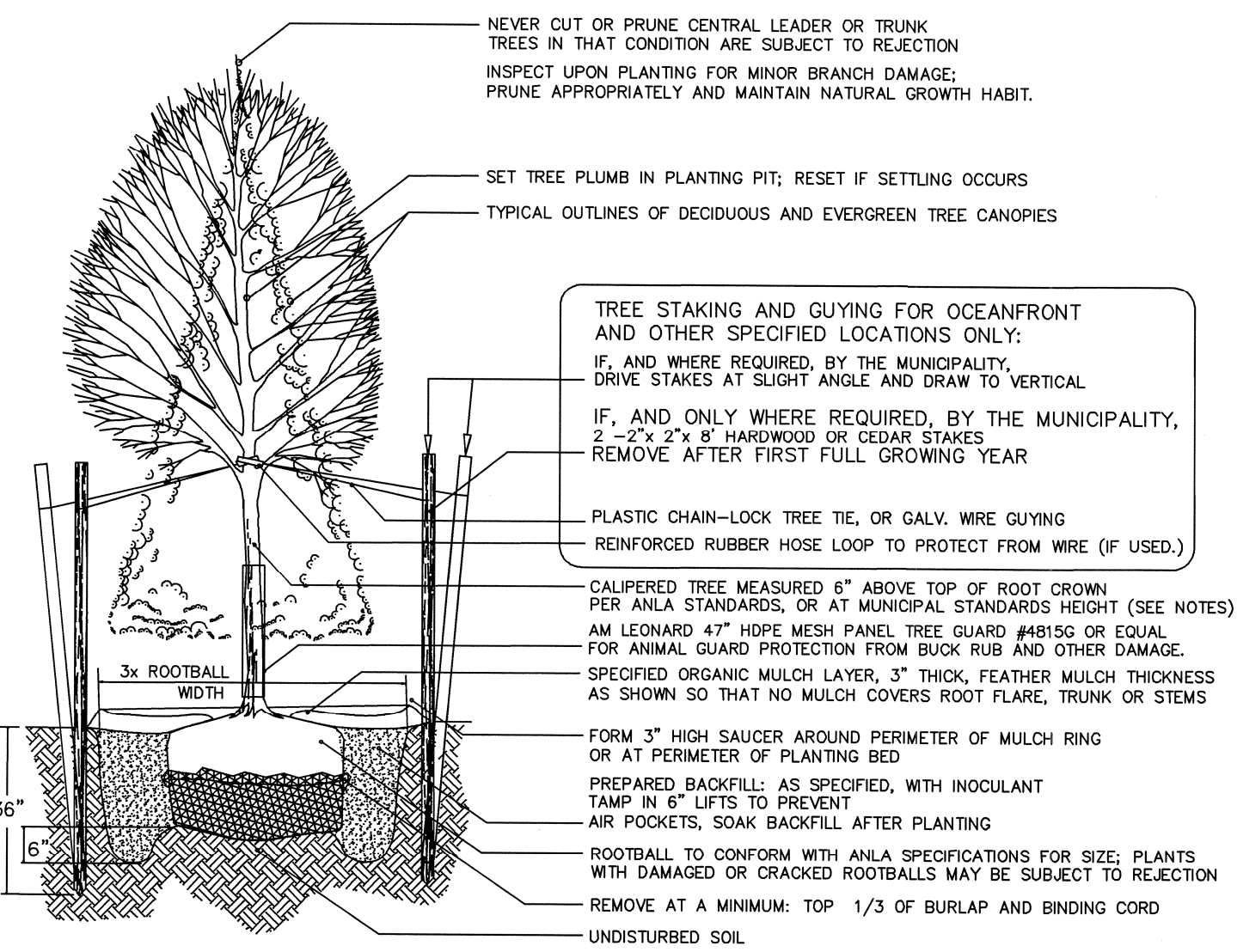
PLANT TYPE KEY

KEY	DESCRIPTION
DFF	DECIDUOUS FLOWERING PERENNIAL
DFS	DECIDUOUS FLOWERING SHRUB
DOT	DECIDUOUS ORNAMENTAL TREE
EBOT	EVERGREEN BROADLEAF ORNAMENTAL TREE
ECS	EVERGREEN CONIFEROUS SHRUB
POG	PERENNIAL ORNAMENTAL GRASS
SEFP	SEMI-EVERGREEN FLOWERING PERENNIAL
SEFS	SEMI-EVERGREEN FLOWERING SHRUB
SES	SEMI-EVERGREEN SHRUB

EXISTING TREE KEY

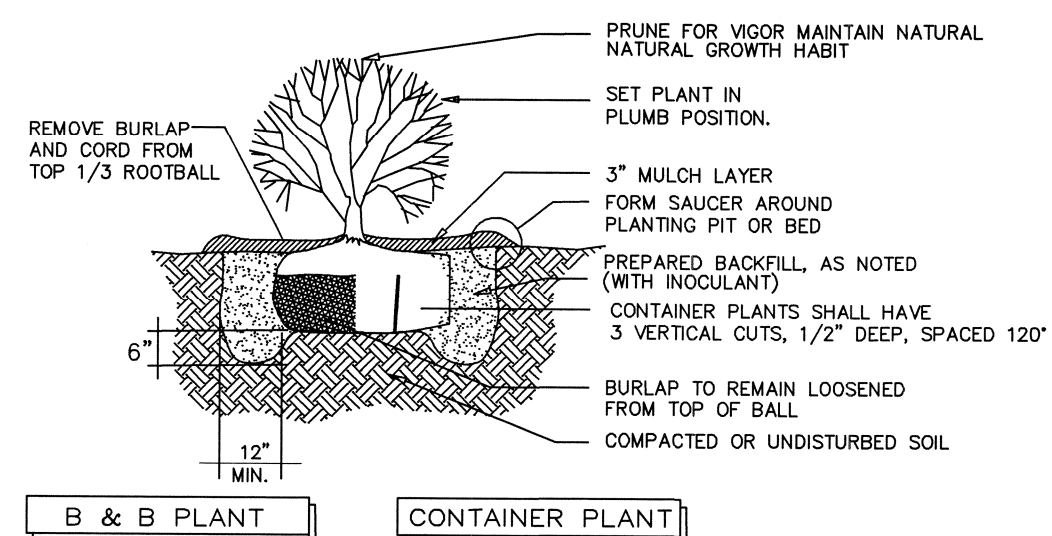
KEY	BOTANICAL NAME	COMMON NAME
AR	Acer rubrum	RED MAPLE
KP	Koelerutaria paniculata	GOLDEN RAIN TREE
PC	Pyrus calleryana	CALLERY PEAR
PS	Pinus strobus	EASTERN WHITE PINE
QF	Quercus falcata	SOUTHERN RED OAK

BIO-PLEX ENDO-ECTO MYCORRHIZAL SOIL & ROOT INOCULUM AND ADVANCED POLYMER GEL SHALL BE INCORPORATED INTO BACKFILL SOIL, AT THE MANUFACTURER RECOMMENDED RATES.



EVERGREEN AND DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE

BIO-PLEX ENDO-ECTO MYCORRHIZAL SOIL & ROOT INOCULUM AND, EXCEPT SPECIES NOTED, ADVANCED POLYMER GEL SHALL BE INCORPORATED INTO BACKFILL SOIL, AT THE MANUFACTURER RECOMMENDED RATES.



SHRUB AND CONTAINER PLANTING DETAIL
NOT TO SCALE

LANDSCAPE MAINTENANCE NOTES

ALL MAINTENANCE OF THE SITE SHALL BE CARRIED OUT TO THE STANDARDS OF STAFFORD TOWNSHIP BUT SHALL NOT BE LIMITED TO:

ITEM	SCHEDULE
INSPECTION	TO BE CARRIED OUT AT LEAST MONTHLY.
DEBRIS	TO BE REMOVED NO LESS OFTEN THAN AT INSPECTIONS.
WEEDS	TO BE REMOVED NO LESS OFTEN THAN AT INSPECTIONS.
IRRIGATION	AS INDICATED BY LACK OF RAIN OR AS OTHERWISE NEEDED FOR SOUND PLANT GROWTH. DURING THE FIRST YEAR AFTER PLANTING REGULAR WATERING SHALL BE MADE TO ASSURE SOUND PLANT GROWTH.
MULCHING	MULCH TO BE REPLISHED AS NECESSARY, AT A MINIMUM SEMI-ANNUALLY, DURING LATE SPRING AND LATE FALL. ANNUALS TO BE SET OUT AFTER DANGER OF FROST IS PAST. REMNANTS OF THE PLANTS TO BE REMOVED BEFORE HARD FREEZE IN THE FALL.
ANNUAL PLANTINGS	TURF GRASS SHALL BE MOVED AT LEAST EVERY TWO WEEKS DURING THE GROWING SEASON TO A HEIGHT OF 2 1/2 INCHES.
TURF GRASS MOWING	PRUNING SHALL BE MADE TO PLANTS DURING LATE WINTER TO REMOVE DRY, CROSSING, BROKEN AND DAMAGED MATERIAL WHILE MAINTAINING GENERAL NATURAL HABIT OF THE PLANTS. NO CENTRAL LEADER OR TRUNK SHALL BE CUT. BROKEN BRANCHING SHALL ALSO BE REMOVED AS IT APPEARS THROUGHOUT THE YEAR AS REVEALED BY MONTHLY INSPECTION.
PRUNING	SOIL pH SHALL BE TESTED ANNUALLY FOR THE NEED TO ADJUST ACIDITY TO BETWEEN PH 5.0 AND 6.5. FERTILIZATION WITH ORGANIC MATERIALS SHALL BE MADE ONCE ANNUALLY TO ALL AREAS IN THE LATE FALL WITH AN ADDITIONAL FERTILIZATION MADE TO TURF AREAS ON OR ABOUT 9/1.
FERTILIZATION AND SOIL AMENDMENTS	LIGHTING SOURCES SHALL BE MAINTAINED AND REPLACED AS THE NEED ARISES, AS EVIDENT FROM INSPECTION AND OTHERWISE. GRAVEL, MULCH AND SIMILAR SURFACES SHALL BE INSPECTED MONTHLY OR WHEN THE NEED ARISES. PROPER PAVING TO SMOOTHNESS AND REPLACING OF MATERIAL SHALL BE MADE AT THESE TIMES. ALL OTHER SURFACE MATERIALS SHALL BE INSPECTED MONTHLY AND RECTIFIED IF PROBLEMS ARE FOUND.
LIGHTING	
SURFACE MATERIALS	

LANDSCAPE ARCHITECTURAL NOTES

- GENERAL NOTES:
 - THIS PLAN TO BE USED ONLY FOR THE PURPOSES OF LANDSCAPING.
 - EXAMINE ALL ENGINEERING DRAWINGS AND FIELD CONDITIONS FOR CONDITIONS FOR SPECIFIC LOCATIONS OF UTILITIES, STRUCTURES, ETC., NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY IN REFERENCE TO DISCREPANCIES OR LOCATION CONFLICTS PRIOR TO PLANTING.
 - IN THE EVENT THAT PLANT QUANTITY DISCREPANCIES OR MATERIAL MATERIAL DISCREPANCIES OCCUR IN THE PLANTING SCHEDULE, THE PLAN SHALL SUPERSEDE.
 - ALL PLANTING MATERIALS AND METHODS SHALL MEET OR EXCEED THE REQUIREMENTS OF THE MUNICIPAL ORDINANCES OF THE TOWNSHIP OF STAFFORD AND ANSI Z-601 (CURRENT VERSION) THE AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) IN THE EVENT OF OTHER CONFLICTS BETWEEN THE ANLA STANDARDS AND MUNICIPAL STANDARDS, THE MUNICIPAL STANDARDS SHALL SUPERSEDE.
 - ALL EXISTING TREES AND SHRUBS TO BE PRESERVED AT THE PERIMETER OF THE SITE SHALL BE PROTECTED AGAINST CONSTRUCTION DAMAGE BY SNOW FENCING OR OTHER APPROVED METHOD. IF DEEMED NECESSARY, TREE PROTECTION SHALL BE PLACED OUTSIDE THE LIMIT OF THE TREE CANOPY TO AVOID OVER CLEARING. TREES TO REMAIN SHALL BE IDENTIFIED IN THE FIELD PRIOR TO CONSTRUCTION. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION GRADING OR CLEARING. EXISTING VEGETATION AT THE LIMIT OF DAMAGED BRANCHING.
 - ALL LANDSCAPING SHALL BE PLANTED AS TO NOT INTERFERE WITH UTILITY LINES, SIGHT TRIANGLES, UNDERGROUND UTILITIES, OR PUBLIC WALKWAYS OR ANY OTHER EXISTING OR PROPOSED STRUCTURE. ALL PLANT MATERIAL LOCATED WITHIN REQUIRED SIGHT DISTANCES OR SIGHT TRIANGLES EASEMENTS SHALL NOT EXCEED A MATURE HEIGHT OF 30' ABOVE THE ELEVATION OF THE ADJACENT ROADWAY. ALL STREET TREES AND SHADE TREES PLANTED NEAR PEDESTRIAN OR VEHICULAR ACCESSES OR WITHIN REQUIRED SIGHT DISTANCES OR SIGHT TRIANGLE EASEMENTS SHALL NOT BE BRANCHED ANY LOWER THAN 6'10" ABOVE GRADE, AND MUST BE APPROPRIATELY PRUNED. NO WOODY PLANTS EXCEPT GROUNDCOVERS ARE TO HAVE THEIR CENTERS CLOSER THAN 30" TO THE BACK OF THE CURB.
- PLANT MATERIAL:
 - NO PLANT SUBSTITUTION SHALL BE ALLOWED WITH REGARD TO SIZE, SPECIES, NAMED VARIETY OR CULTIVAR, WITHOUT THE PERMISSION OF THE LANDSCAPE ARCHITECT AND THE APPROVING AUTHORITY.
 - ALL PLANTS SHALL BE DUG, PACKED, TRANSPORTED AND HANDLED WITH THE UTMOST CARE TO ENSURE ADEQUATE PROTECTION FROM INJURY AND DISEASE.
 - ALL PLANTS SHALL BE FREE FROM DISEASE AND INFESTATION INFESTATION, AND NEAR ALL LEGALLY REQUIRED AGRICULTURAL CERTIFICATIONS.
 - ALL PLANTS SHALL BE PRUNED TO ENHANCE VIGOR PRIOR TO OR UPON INSTALLATION, WHILE RETAINING THE NATURAL GROWTH HABIT OF THE PLANTS. THE CENTRAL LEADER SHALL NOT BE CUT. PLANTS IN THIS CONDITION SHALL NOT BE ACCEPTED, DAMAGED, BROKEN OR CONFLICTING BRANCHES SHALL BE PRUNED CLEANLY, FLUSH WITH THE MAIN TRUNK OR BRANCH.
 - ALL PLANTS SHALL BE NURSERY-GROWN AND TAGGED WITH A DURABLE LABEL INDICATING THE GENUS, SPECIES, NAMED VARIETY OR CULTIVAR.
- PLANTING:
 - SOIL MUST BE FROST-FREE, FRIABLE AND NOT MUDDY AT THE TIME OF PLANTING.
 - BACKFILL MATERIAL FOR PLANTING PITS SHALL BE TOPSOIL FROM ON SITE OR MATERIAL IMPORTED TO THE SITE CONFORMING WITH THE 2018 NJDOT STANDARD SPECIFICATION SECTION 917.21, AND SHALL BE FREE OF ADGIC MARL, STICKS, LARGE STONES, DEBRIS, EXCESSIVE B-LEND, AND/OR OTHER DISQUALIFIABLE MATERIALS. EXCEPT WHERE NOTED OTHERWISE, THE PLANTING SCHEDULE, BIO-PLEX ENDO-ECTO MYCORRHIZAL SOIL & ROOT INOCULUM AND ADVANCED POLYMER GEL SHALL BE INCORPORATED INTO THE BACKFILL MIX IN THE MANUFACTURER'S SPECIFIED RATES AND QUANTITIES FOR THE USE.
 - PLANTS SHALL BE SET TO ULTIMATE FINISHED GRADE SO THAT THEY WILL BE LEFT IN THE RELATIONSHIP TO THE SURROUNDING GROUND AS THEY HAD, PRIOR TO BEING DUG. IF EVIDENCE OF SATURATED SOILS IS ENCOUNTERED DURING EXCAVATION OF THE PLANTING PITS, UPON DIRECTION BY THE LANDSCAPE ARCHITECT, PLANTS SHALL BE SET SO THAT THEIR ROOT CROWNS ARE APPROXIMATELY THREE INCHES ABOVE THE FINAL GRADE, WITH TOPSOIL AND MULCH CLENTLY MOUND TO AVOID EXCESSIVE DRYING AT THE SURFACE UNDER NO CIRCUMSTANCES SHALL PLANTINGS AT RELATIVELY DRY LOCATIONS BE PERFORMED IN A MOUND MANNER.
 - THE CORD BINDING THE BALL OF ALL BALLED AND BURLAPPED (B&B) SHALL BE CUT AND REMOVED, AND BURLAP ON THE UPPER PORTION OF THE ROOT BALL SHALL BE REMOVED. PLANTS WITH SYNTHETIC NON-DEGRADABLE ROOT BALL WRAPS SHALL NOT BE ACCEPTABLE.
 - ALL PROPOSED TREES SHALL BE SET IN BEDS MOUND TO THE LIMIT OF THEIR PLANTING PITS. ALL PROPOSED SHRUBS SHALL BE CONTINUOUSLY MOUND PLANTING BEDS RATHER THAN AS ISOLATED INDIVIDUAL PLANTS. TREES AND SHRUBS BEDS SHALL RECEIVE A 3" THICK APPLICATION OF A THOROUGHLY COMPOSTED ORGANIC MULCH FREE OF ANY OBJECTIONABLE MATERIALS.
 - WHERE ORNAMENTAL GRAVEL IS SPECIFIED ON THE PLAN, 0.75" 450 BROWN DELAWARE RIVER GRAVEL SHALL BE INSTALLED, A MINIMUM OF 4" THICKNESS, BROUGHT TO A FLUSH GRADE WITH THE SURROUNDING FINISHED GRADE, CONCRETE WALKWAY, OR CURB.
 - IN THE EVENT THAT ANY AREAS ARE CLEARED OUTSIDE THE LIMITS THE LIMITS DETECTED ON THE PLANS, REFORESTATION IN ACCORDANCE WITH SECT. 130-51 (P2) AND ALL OTHER APPLICABLE SECTIONS OF THE STAFFORD MUNICIPAL CODE.
- MAINTENANCE
 - ALL PLANTINGS SHALL BE PROVIDED WITH AN AUTOMATIC IRRIGATION SYSTEM TO PROVIDE MOISTURE FOR SOUND HORTICULTURE AND MAINTENANCE PRACTICE, TO ENSURE THEIR PROPER ESTABLISHMENT AND MAINTENANCE.
 - IN GENERAL SHRUBS ARE TO BE PLANTED AT INTERVALS WHICH WILL THEM TO FULLY DEVELOP INTO CONTINUOUS MASSES OF THE INDIVIDUAL SPECIES. THEREFORE, NO PRUNING TO SHAPE OR SHEARING IS REQUIRED OR DESIRABLE, WHERE DEAD OR CONFLICTING BRANCHING DEVELOPS, IT SHOULD BE PRUNED OUT, TO NATURAL TARGETS.
- IRRIGATION
 - THE UNDERGROUND AUTOMATIC SPRINKLER SYSTEM SHALL MEET THE REQUIREMENTS OF CHAPTER 208 OF THE STAFFORD TOWNSHIP CODE ENTITLED "WATER CONSERVATION".
- MISCELLANEOUS
 - ADDITIONAL PLANTINGS MAY BE REQUIRED AS DEEMED NECESSARY BY THE STAFFORD TOWNSHIP LANDSCAPE ARCHITECT TO SUPPLEMENT ANY EXISTING VEGETATIVE BUFFERS AROUND THE PROPOSED DEVELOPMENT.
 - AT THE DIRECTION OF THE STAFFORD TOWNSHIP LANDSCAPE ARCHITECT, IF REQUIRED BY THE TOWNSHIP LANDSCAPE ARCHITECT, LOW WALLS OR TREE WELLS MAY BE REQUIRED IN ORDER TO MAINTAIN PRE-EXISTING GRADES.

BRYCE BENNETT LANDSCAPE ARCHITECT
MEMBER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS

119 FRANCE STREET
PO BOX 1911
TOWNS RIVER, NJ 08754-1911
732.270.5550
earthtyce1@gmail.com

Bryce M. Bennett 25 JANUARY 2021
BRYCE M. BENNETT, NULLA, ASLA DATE
NEW JERSEY LICENSED LANDSCAPE ARCHITECT No. AS00036600
NOT VALID FOR CONSTRUCTION WITHOUT SIGNATURE AND RAISED SEAL

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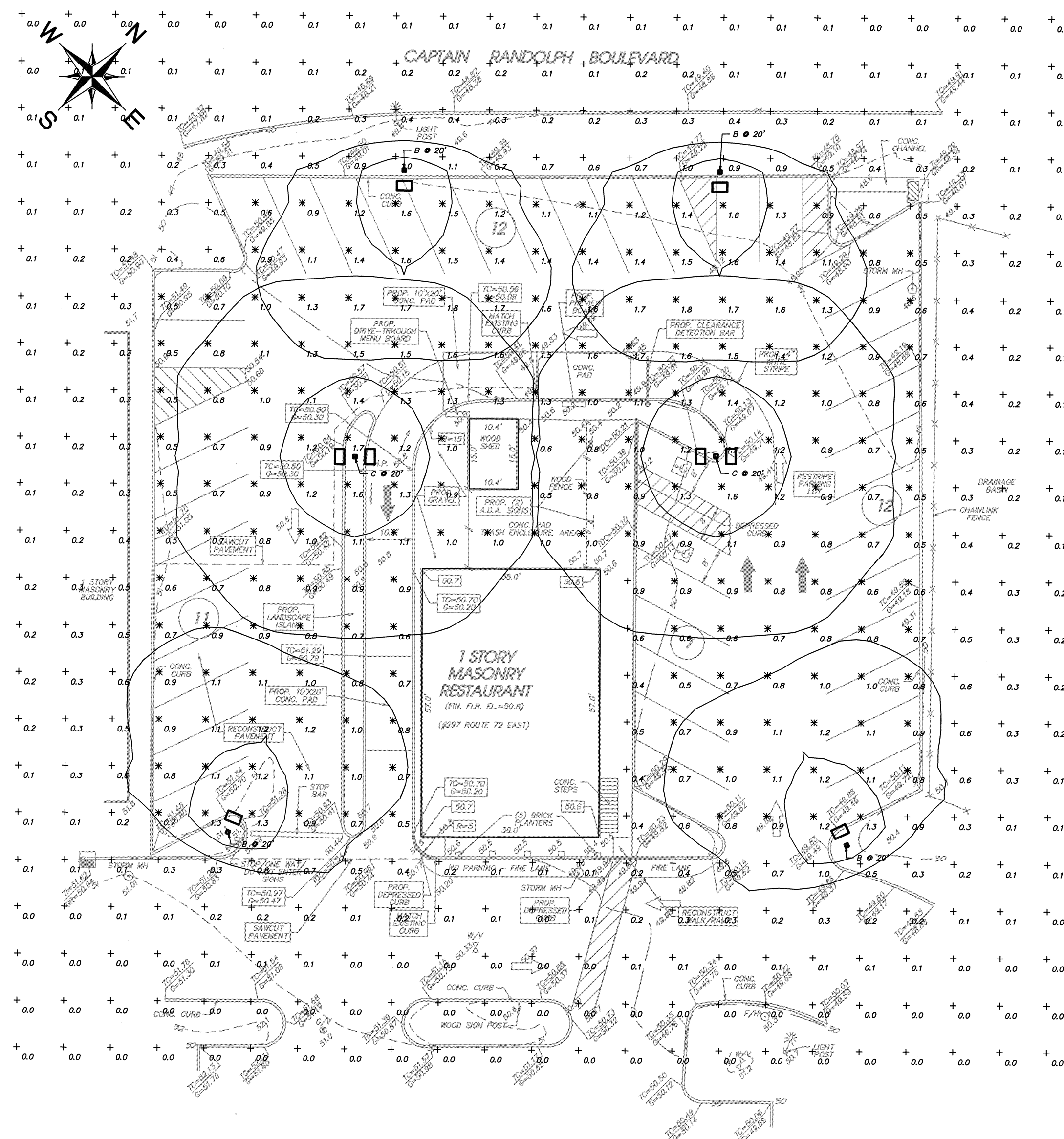
No.	DATE	REVISION	BY	CHK.

MINOR SITE PLAN
P/O TAX LOT 38.01 BLOCK 120.31
TAX MAP SHEET NO. 80
STAFFORD TOWNSHIP
OCEAN COUNTY NEW JERSEY

LANDSCAPE PLAN

SCALE: 1" = 20'
DATE: 1/25/2021
DRAWN BY: MJD
CHECKED BY:
SHEET NO. 3 OF 5
PROJECT NUMBER
11298

GRAVATT CONSULTING GROUP
Engineers • Surveyors • Planners • Environmental Scientists
414 Locoy Road, Forked River, NJ 08731
Tel: 856 • 683 • 8127 www.gravattconsulting.com
Certificate of Authorization No. 24042925900



LIGHTING PLAN

LIGHTING NOTES :

1. LIGHT POLES AND FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
2. SITE LIGHTING ELECTRICAL PLANS AND CIRCUIT DIAGRAMS ARE THE RESPONSIBILITY OF OTHERS.
3. THIS LIGHTING PLAN WAS PREPARED WITH ASSISTANCE FROM LIBERTY LIGHTING GROUP, CHATHAM, NEW JERSEY.
4. MAXIMUM LAMP HEIGHT = 20 FT.
5. BUILDING-MOUNTED LIGHTS TO BE DETERMINED BY ARCHITECT.

D-Series Size 0
LED Area Luminaire

Specifications

Size: 0.5 ft. dia.
Length: 1.2 ft.
Width: 1.2 ft.
Height: 1.2 ft.
Weight: 15 lbs.

Introduction

The modern lighting of the D-Series is making great strides in making a building program more efficient as well as being aesthetically pleasing. The D-Series has the benefits of the latest in LED technology with a high performance, high efficacy long life luminaire. The outstanding photometric performance results in less wattage and energy, greater lumens per watt and lower overall costs. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

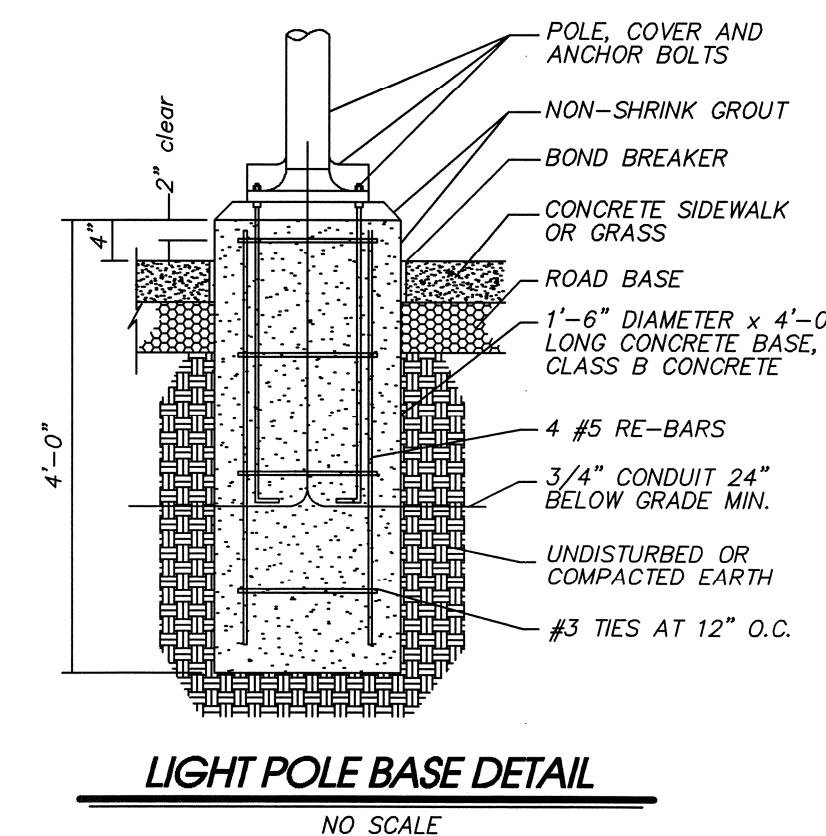
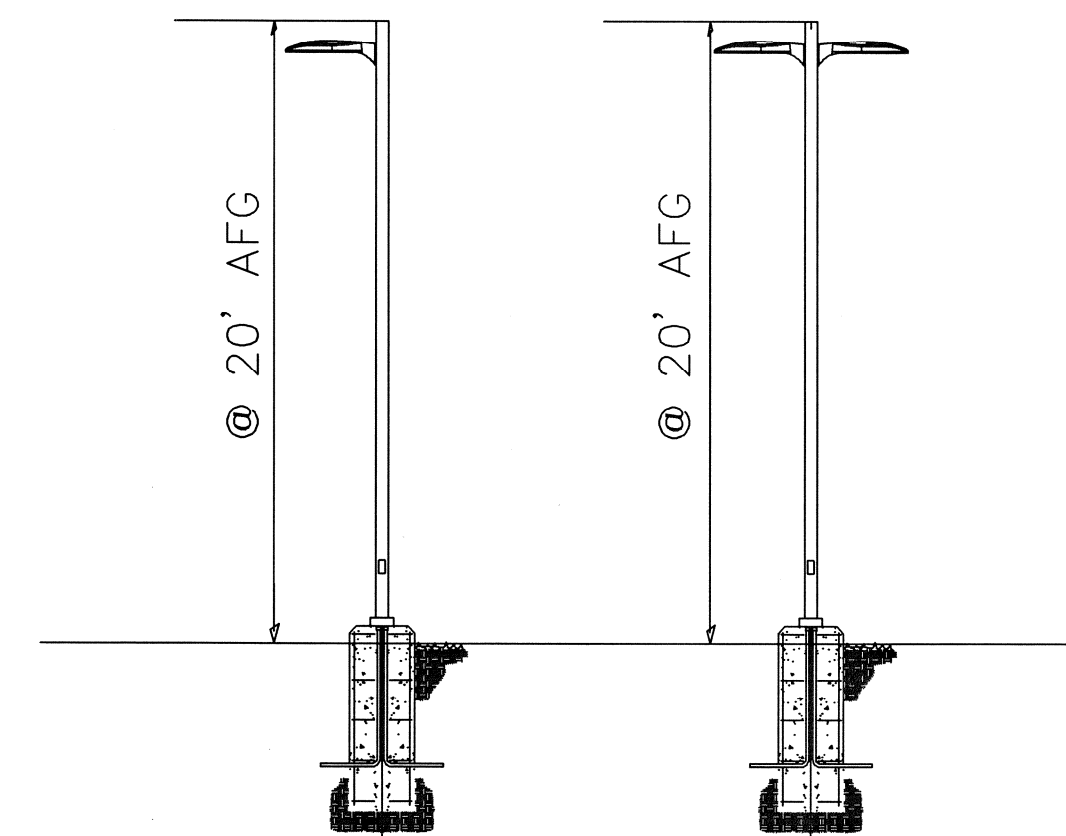
Ordering Information

EXAMPLE: DSX0 LED P1 40K TSM MVOLT SP/NORM PRISM DSX0

Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lumens per Lamp	LLF	Wattage	Pole
B	B	4	Lithonia Lighting	DSX0 LED P1 40K TFTM MVOLT HS	DSX0 LED P1 40K TFTM MVOLT with houseside shield	3678	0.9	38	Valmont 2000-50506-S4 on 6" concrete pier
C	C	2	Lithonia Lighting	DSX0 LED P1 40K TSW MVOLT	DSX0 LED P1 40K TSW MVOLT	4859	0.9	76	Valmont 2000-50506-S4 on 6" concrete pier

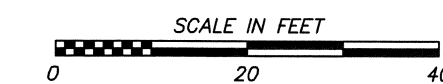
Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
OVERALL @ GRADE	+	0.5 fc	1.8 fc	0.0 fc	N/A	N/A
PARKING + DRIVEWAY @ GRADE	X	1.0 fc	1.8 fc	0.5 fc	3.6:1	2.9:1

Schedule									
Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lumens per Lamp	LLF	Wattage	Pole
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LIGHT POLE BASE DETAIL

NO SCALE



No.	DATE	REVISION	BY	CHK.

BRUCE A. JACOBS
N.J. Professional Engineer No. 37489

DATE: 1/25/2021

MINOR SITE PLAN
P/O TAX LOT 38.01 BLOCK 120.31
TAX MAP SHEET NO. 80
STAFFORD TOWNSHIP
OCEAN COUNTY, NEW JERSEY

LIGHTING PLAN

SCALE: 1" = 20'

DATE: 1/25/2021

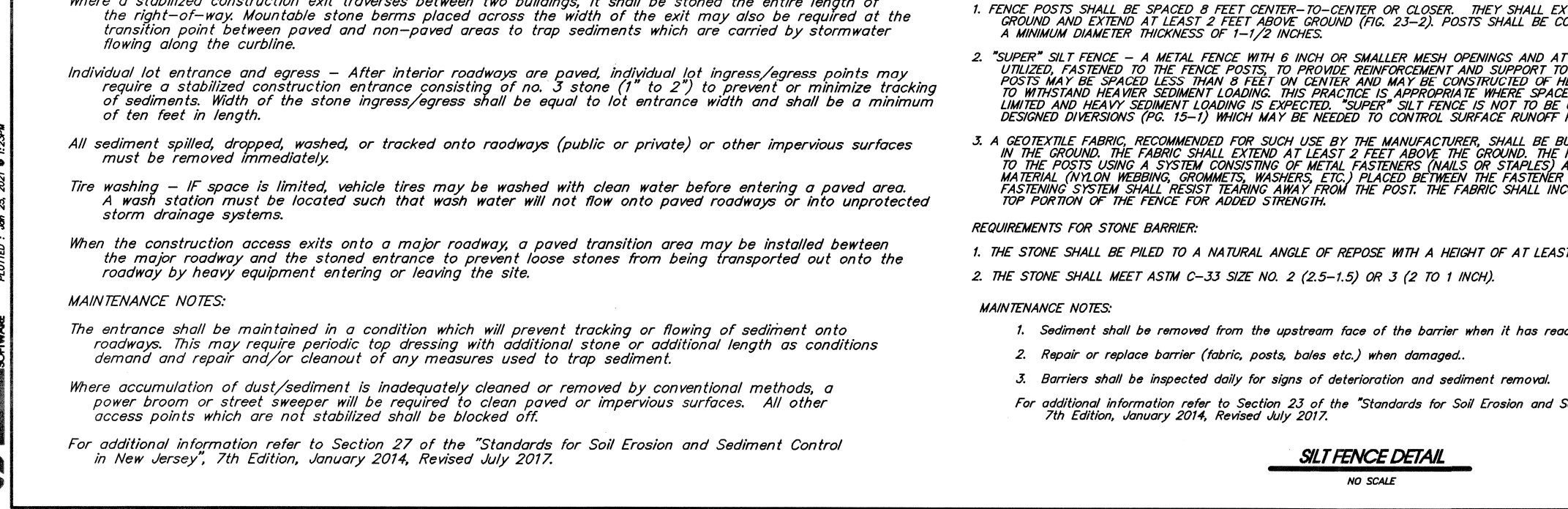
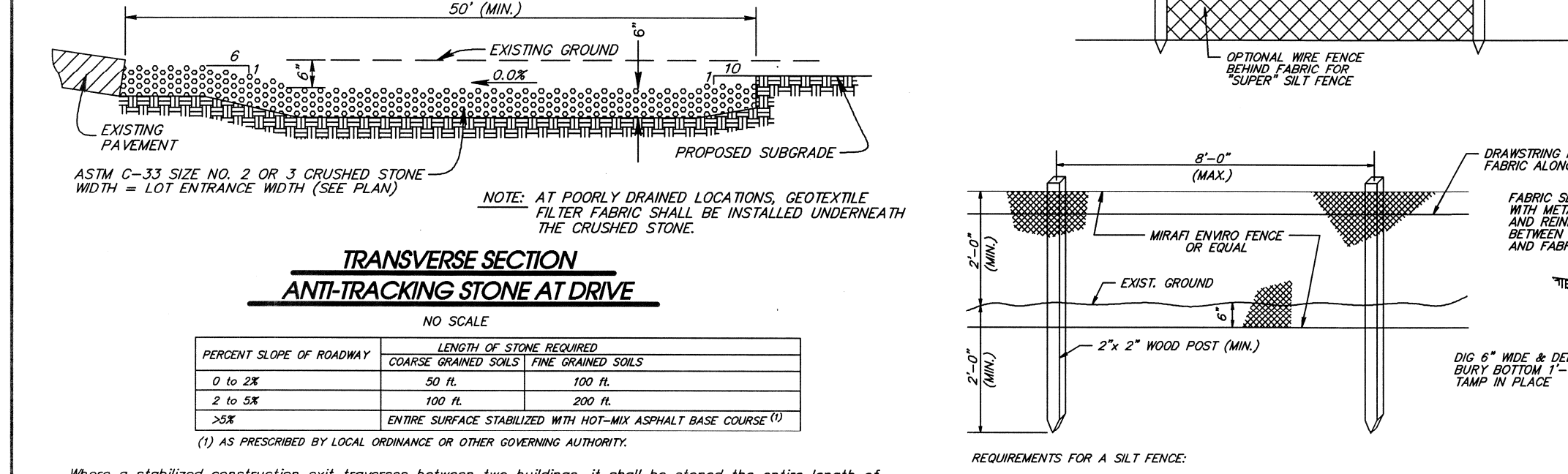
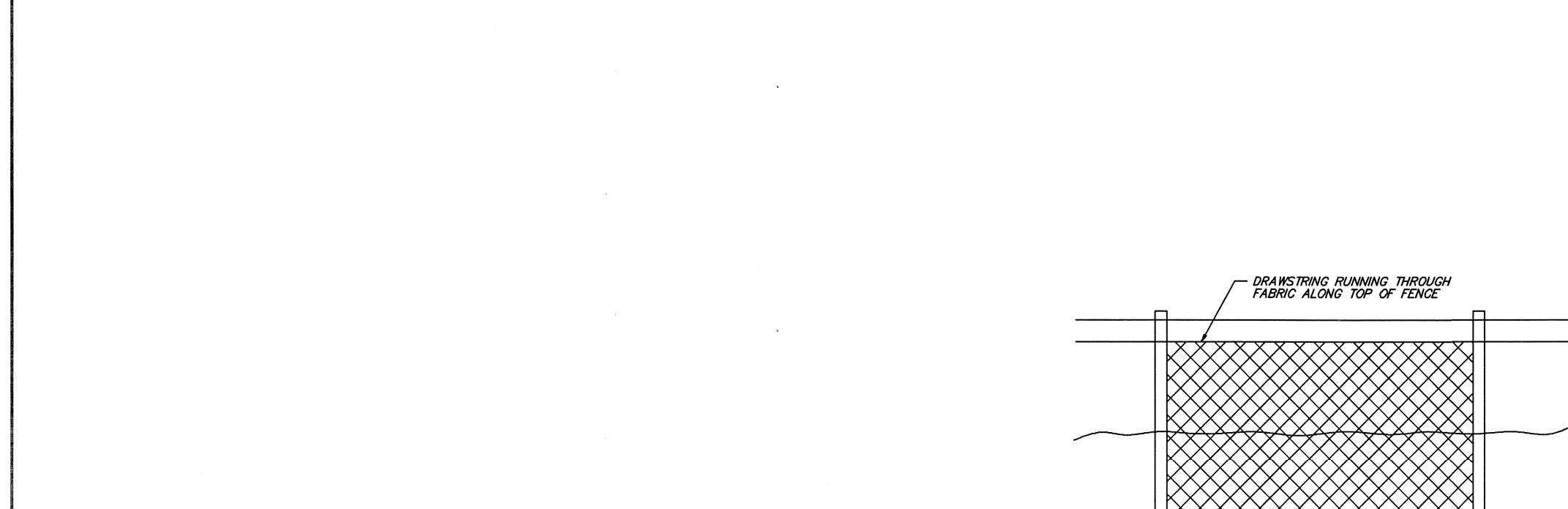
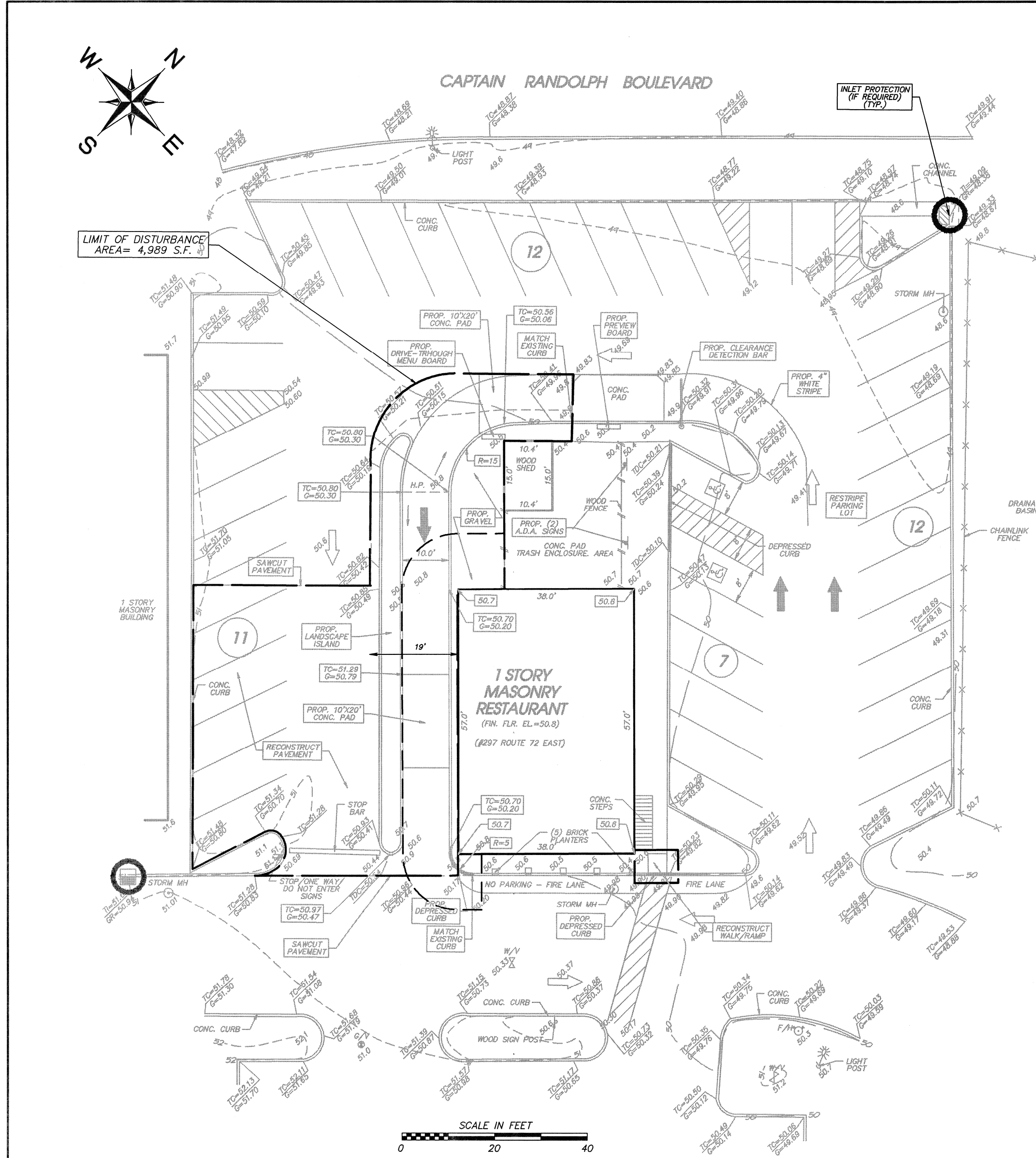
DRAWN BY: MJD

CHECKED BY:

SHEET NO. 4 OF 5

PROJECT NUMBER: 11298

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SOIL EROSION AND SEDIMENT CONTROL NOTES :

- The Ocean County Soil Conservation District shall be notified forty-eight (48) hours in advance of any land disturbance.
- All work is to be done in accordance with the State Standards for Soil Erosion and Sediment Control in New Jersey.
- All Soil Erosion and Sediment Control practices are to be installed prior to any major land disturbance or in their proper sequence, and maintained until permanent protection is established.
- Any changes to the Certified Soil Erosion and Sediment Control Plans will require the submission of revised Soil Erosion and Sediment Control Plans to the District. The revised plans must meet all current "Standards for Soil Erosion and Sediment Control and Sediment Control in New Jersey, 7th Edition, January 2014, Revised July 2017." <http://www.state.nj.us/agriculture/divisions/soil/nrc/nrc/erosion.html>
- Any disturbed areas that will be left exposed more than sixty (60) days, and not subject to construction traffic, will be immediately seeded. A temporary seeding of the season prevents the establishment of temporary cover. The disturbed area will be mulched with straw, or equivalent material within 14 days, at a rate of 2 to 2 1/2 tons per acre, according to State Standards for Stabilization with Mulch Only.
- Immediately following initial disturbance or rough grading, all critical areas subject to erosion (i.e. steep slopes and roadway embankments), will receive temporary seeding in combination with straw mulch or a suitable equivalent, at a rate of 1-1/2 to 2 tons per acre, according to State Standards.
- A sub-base course will be applied immediately following rough grading and installation of improvements to stabilize streets, roads, driveways, and parking areas. In areas where no utilities are present, the sub-base shall be installed within fifteen (15) days of the preliminary grading.
- Any steep slopes (3:1 or greater) or any existing roadways receiving pipeline installation will be backfilled and stabilized only as the installation continues.
- The Standard for Stabilized Construction Access requires the installation of a stone pad using clean crushed angular stone (ASTM C-33, size No. 2 or 3) at all construction driveways where vehicles will access paved roadways from unpaved areas of the site.
- All sediment washed, dropped, spilled, or tracked onto roadways (public or private) or other impervious surfaces will be removed immediately.
- Permanent vegetation is to be seeded or sodded on all exposed areas within ten (10) days after final grading. At the time of seeding, the contractor is required to provide confirmation that the proper type and amount of seed, lime and fertilizer have been used for permanent stabilization work. Straw mulch is required on all seedings.
- At the time that site preparation for permanent vegetative stabilization is going to be accomplished, any soil that will not provide a suitable environment to support grass seed or sod or treated in any way, shall be immediately seeded or sodded so that it will permanently adjust the soil conditions and render it suitable for vegetative growth. If the removal or treatment of the soil will not provide suitable conditions, non-vegetative means of permanent ground stabilization will have to be employed.
- In accordance with the Standard for Management of High Acid Producing Soils, any soil having a pH of 4 or less or containing iron sulfides shall be covered with a minimum of twelve (12) inches of soil or 5 or more prior to seedbed preparation. Areas where trees or shrubs are to be planted shall be covered with a minimum of twenty-four (24) inches of soil having a pH of 5 or more.
- Conduit Outlet Protection must be installed at all required outfalls prior to the drainage system becoming operational. Conduit outlet protection is not required in basins acting as sediment basins during construction.
- Unfiltered dewatering is not permitted. Necessary precautions must be taken during all dewatering operations to minimize sediment transfer. Any dewatering methods used must be in accordance with the Standard for Dewatering.
- Should the control of dust at the site be necessary, the site will be sprinkled until the surface is wet, temporary vegetative cover shall be established or mulch shall be applied as required by the Standard for Dust Control.
- Stockpile and staging locations established in the field shall be placed within the limit of disturbance according to the certified plan. Staging and stockpiles not located within the limit of disturbance will require certification of a revised Soil Erosion and Sediment Control Plan. The District reserves the right to determine when certification of a new and separate Soil Erosion and Sediment Plan will be required for these activities.
- All soil stockpiles are to be temporarily stabilized in accordance with Soil Erosion and Sediment Control note # 6. Stockpiles should be situated so as to not obstruct natural drainage or cause off-site environmental damage.
- The property owner shall be responsible for any erosion or sedimentation that may occur before stormwater outfalls or offsite as a result of construction of the project.

TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

- Definition:** Establishment of temporary vegetative cover on soils exposed for periods of 10 to 6 months which are not long enough to allow for natural revegetation or not suitable for permanent seeding rates to take.
- Purpose:** Temporarily stabilize the soil and reduce damage from wind and water erosion.
- Water Quality Enhancement:** Establishes the integrity of wind and soil, along with the use and treatment of stormwater runoff, increases infiltration and reduces soil and nutrients on the disturbed surface.
- Where Applicable:** On exposed soils that have the potential for causing off-site environmental damage.
- Methods and Materials:**
- Site Preparation**
 - Grade as needed and feasible to permit the use of conventional equipment for needed preparation. Standards for seed and mulch application and grading should be done in accordance with the Standard for Land Grading.
 - Initial seeded erosion control practices or facilities such as diversion, grade stabilization structures, channel stabilization measures, sediment basins, and waterways.
 - Immediately prior to seeding, the surface should be smoothed 1/2" to 1" where there has been soil compaction or where the surface is uneven. This smoothing should be done by hand or with a roller.
 - Seeding**
 - Apply uniform broadcast and fertilizer according to soil test recommendations such as offered by Rutgers Co-operative Extension. Soil sample analyses are available from local Rutgers Cooperative Extension offices. Fertilizer should be applied at a rate of 100 pounds per acre (100 lbs/1000 sq. ft.) or more, with 50% water-soluble nitrogen (water-soluble N) and 50% water-soluble phosphorus (water-soluble P). Fertilizer should be applied at a rate of 100 pounds per acre (100 lbs/1000 sq. ft.) or more, with 50% water-soluble nitrogen (water-soluble N) and 50% water-soluble phosphorus (water-soluble P). Fertilizer should be applied at a rate of 100 pounds per acre (100 lbs/1000 sq. ft.) or more, with 50% water-soluble nitrogen (water-soluble N) and 50% water-soluble phosphorus (water-soluble P).
 - Work time and fertilizer into the soil as nearly as practical to a depth of 4 inches with a disc, spring-tine harrow, or other suitable equipment. The final harrow or discing operation should be done within 24 hours of seeding. The final harrow or discing operation should be done within 24 hours of seeding. The final harrow or discing operation should be done within 24 hours of seeding.
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SEED SELECTIONS	Per Acre	Per 1000 Sq. Ft.	ZONE 1A (1)	ZONE 1B (2)	ZONE 1C (3)	Optimal Seed Depth (inches)
COOL SEASON GRASSES						
1. Perennial ryegrass	100	1.0	1/2-3/4	1/2-3/4	1/2-3/4	0.5
2. Spring barley	80	2.0	1/2-3/4	1/2-3/4	1/2-3/4	1.0
3. Winter barley	90	2.2	1/2-3/4	1/2-3/4	1/2-3/4	1.0
4. Annual ryegrass	100	1.0	1/2-3/4	1/2-3/4	1/2-3/4	0.5
5. Winter cereal rye	112	2.8	1/2-3/4	1/2-3/4	1/2-3/4	1.0
WARM SEASON GRASSES						
6. Pearl millet	20	0.5	1/2-3/4	1/2-3/4	1/2-3/4	1.0
7. Millet (Common or Hungarian)	30	0.7	1/2-3/4	1/2-3/4	1/2-3/4	1.0

- Seeding rates from warm season grass seedlings 6-8" shall be adjusted to reflect the amount of Pure Live Seed (PLS) as determined by a germination test result. No adjustment is required for cool season grasses.
- May be planted throughout summer if soil moisture is adequate or seeded areas can be irrigated.
- Plant hardiness zones (see Figure 7-1, pg. 4-4)
- Take the depth for sandy soils.
- Seeding**
 - Conventional seeding. Apply seed uniformly by hand, catenary (catapult) seeder, drop seeder, air or catenary seeder, or other suitable equipment. The seed should be applied at a rate of 100 pounds per acre (100 lbs/1000 sq. ft.) or more, with 50% water-soluble nitrogen (water-soluble N) and 50% water-soluble phosphorus (water-soluble P). Fertilizer should be applied at a rate of 100 pounds per acre (100 lbs/1000 sq. ft.) or more, with 50% water-soluble nitrogen (water-soluble N) and 50% water-soluble phosphorus (water-soluble P).
 - Hand seeding. Apply seed uniformly by hand, catenary (catapult) seeder, drop seeder, air or catenary seeder, or other suitable equipment. The seed should be applied at a rate of 100 pounds per acre (100 lbs/1000 sq. ft.) or more, with 50% water-soluble nitrogen (water-soluble N) and 50% water-soluble phosphorus (water-soluble P). Fertilizer should be applied at a rate of 100 pounds per acre (100 lbs/1000 sq. ft.) or more, with 50% water-soluble nitrogen (water-soluble N) and 50% water-soluble phosphorus (water-soluble P).
- Mulching**
 - Mulch should be applied to the surface of the seedbed. The mulch should be applied at a rate of 100 pounds per acre (100 lbs/1000 sq. ft.) or more, with 50% water-soluble nitrogen (water-soluble N) and 50% water-soluble phosphorus (water-soluble P). Fertilizer should be applied at a rate of 100 pounds per acre (100 lbs/1000 sq. ft.) or more, with 50% water-soluble nitrogen (water-soluble N) and 50% water-soluble phosphorus (water-soluble P).
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